

List of Mandated Work Items concerning the EPBD

Set of EPBD CEN standards as produced under the Mandate

In this folder you find all the draft standards that have been prepared to support the implementation of the EPBD in the EU Member States.

These versions are the TC-prEN versions; this means that the technical content is approved to be forwarded for Formal Vote. In the list below estimated dates for the start of the 2 months FV procedure are given.

These drafts still need editorial cleaning up. Some more link the new prEN15603 and the several parts of the prEN15136 series.

Also you find the last version of the Umbrella Document which will be published as TR15615.

Not included are the updated drafts under WI-23 & 24 and the already available EN-ISO 13791 and EN-ISO 13792 (the WI's 27 & 28)

Chair of the CEN-BT-WG173

Jaap Hogeling

No	Work item	Present Stage	prEN nr	End of enquiry	TC approval deadline	FV starting Stage 50.20	Comments	Responsible TC/WG
32	Umbrella document (CSB 09002)		TR 15615				To be finalized after the standards	BT/WG 173
	Overview of relations between EPBD standards							BT/WG 173
1.	Energy performance of buildings – Methods of assessment to be used for the energy certification of buildings Including guidelines for developing certification schemes (merged with 3)	40.60	15217	2005-08-31	2006-09-16	2007-02-15?		TC 89 WG4
2.	Energy performance of buildings – Overall energy use, primary energy and CO ₂ emissions (merged with 4)	40.60	15315 15603	2005-12-28	TC228+ TC89: 2006-09-07	2007-02-15?	Merger of 15315 and 15203	BT/WG 173
3.	Energy performance of buildings – Ways of expressing energy performance of buildings	-	-	-	-	-		TC 89 WG4

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	(merged with 1)							
4.	Energy performance of buildings – Application of calculation of energy use to existing buildings / or Assessment of delivered energy use of buildings (merged with 2)	40.60	15203 15603	2005-08-24	See # 2	-	Merger of 15315 and 15203	BT/WG 173
5.	Energy performance of buildings – Systems and methods for the inspection of boilers and heating systems.	40.60	15378	2006-03-06	2006-09-07	<i>2007-02-15?</i>		TC 228 WG2
6	Energy performance of buildings – Guidelines for the inspection of air-conditioning systems.	40.60	15240	2005-09-28	approved	<i>2006-12-01?</i>		TC 156/ WG10
7.	Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies – Part 1: General	40.60	15316-1	2005-12-28	2006-09-07	<i>2007-02-15?</i>		TC 228 WG4
8.	Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies – Part 2.1: Space heating emission systems	40.60	15316-2.1	2006-03-20	2006-09-07	<i>2007-02-15?</i>		TC 228 WG4
9.	Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies – Part 2.2: Space heating generation systems: Part 2.2.1. Combustion systems Part 2.2.2. Heat pump systems Part 2.2.3. Thermal Solar systems Part 2.2.4 The performance and quality of CHP electricity and heat (incl on-site and micro-CHP). Part 2.2.5. The performance of quality district heating and large volume systems. Part 2.2.6. The performance of other renewable heat and electricity. Part 2.2.7 Biomass combustion systems	40.60 40.60 40.60 40.60 40.60 40.60 40.60	15316-4.1 15316-4.2 15316-4.3 15316-4.4 15316-4.5 15316-4.6 15316-4.7	2006-03-20 ,, ,, ,, ,, ,, 2006-06-26	2006-09-07	<i>2007-02-15?</i> <i>Part 7: 2007-04-15?</i>	TC 228 WG4 (TC 312)	
10.	Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies – Part 2.3: Space heating distribution systems	40.60	15316-2.3	2006-03-20	2006-09-07	<i>2007-02-15?</i>		TC 228

No	Work item	Present Stage	prEN nr	End of enquiry	TC approval deadline	FV starting Stage 50.20	Comments	Responsible TC/WG
11.	Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies – Part 3. Domestic hot water systems 3.1 Characterisation of needs 3.2 Distribution 3.3 Generation 3.4 Thermal solar generation (merged with 2.2.3)	40.60 40.60 40.60	15316-3.1 3.2 3.3	2005-12-28 2005-12-28 2005-12-28	2006-09-07	2007-02-15?		TC 228 WG4
12.	Dynamic calculation of room temperatures and of load and energy for buildings with room conditioning systems (including solar shading, passive cooling, position and orientation)	40.60	15243	2005-11-19	Approved	2006-12-01?		TC 156 WG7
13.	Energy performance of buildings – Energy requirements for lighting (including daylighting) (<i>only 1 part</i>)	40.60	15193	2005-08-17	Approved (2006-08-21)	2006-12-01??		TC 169 WG9
14.	Thermal performance of buildings – Calculation of energy use for space heating and cooling – Simplified method (with extension of scope of EN ISO 13790)	40.60	13790	2005-10-05	...		delayed	TC 89 WG4
15.	Thermal performance of buildings – Calculation of energy use for space heating – Simplified method (<i>will be superseded by w.i. 14</i>)	EN ISO 13790	-	-	-	-	-	TC89 WG4
16.	Thermal performance of buildings – Sensible room cooling load calculation – General criteria and validation procedures	40.60	15255	2005-11-19	2006-09-07	2007-02-15?		TC 89 WG6
17.	Energy performance of buildings – Calculation of energy use for space heating and cooling – General criteria and validation procedures	40.60	15265	2005-12-16	2006-09-07	2007-02-15?		TC 89 WG6
18.	Ventilation for buildings – Calculation methods for the determination of air flow rates in dwellings including infiltration (To be replaced by w.i. 19)	EN 13465	-	-	-	-		TC 156 WG2
19.	Ventilation for buildings – Calculation methods for the determination of air flow rates in buildings including infiltration. (The items 18 and 19 could possibly merge).	40.60	15242	2005-10-28	Approved	2006-12-01?		TC 156 WG7

No	Work item	Present Stage	prEN nr	End of enquiry	TC approval deadline	FV starting Stage 50.20	Comments	Responsible TC/WG
20.	Ventilation for buildings – Calculation methods for energy requirements due to ventilation systems in buildings (merged with 21)	40.60	15241	2005-10-28	Approved	2006-12-01?		TC 156 WG7
21.	Ventilation for buildings – Calculation methods for energy requirements due to ventilation systems in dwellings. (merged with 20)		-	-	-	-		TC 156 WG7
22.	Calculation methods for energy efficiency improvements by the application of integrated building automation products and systems.	40.60	15232	2005-09-21	2006-09-05	2006-12-01?		TC247 WG 6/ TG 5
23.	Review of standards dealing with calculation of heat transmission in buildings. – 1 st set - Dynamic thermal characteristics - Transmission and ventilation heat transfer coefficients - Thermal transmittance of windows-General	40.60 40.60 50.60	prEN ISO 13786 13789 10077-1	2005-07-10 2005-09-07	...	? 2006-08-01	delayed	TC 89 + ISO/TC 163/SC2/ WG9
24.	Review of standards dealing with calculation of heat transmission in buildings. – 2 nd set - Declared and design thermal values - Heat transfer via the ground - Thermal bridges – Heat flows and surface temperatures - Thermal bridges – Linear transmittance - Thermal resistance and thermal transmittance	all 40.60	10456 13370 10211 14683 6946	2005-09-07	...		delayed	TC 89 + ISO/TC16 3/SC2/WG 9
25.	Ventilation for non residential buildings – Performance requirements for ventilation and room conditioning systems. (revision of EN 13779)	40.60	13779	2005-09-28	Approved	2006-12-01?		TC 156 WG7
26.	Capacity and design of hydraulic surface heating and cooling systems as an integral part of the structure – Part 1: Determination of the design heating and cooling capacity Part 2: Design, Dimensioning and Installation Part 3: Optimizing for renewable energy	40.60 40.60 40.60	15377 -1 -2 -3	2006-03-06 2006-03-06 2006-03-06 2006-09-07	2007-02-15?	Part 1 and 2 are not mandated, only part 3	TC228 WG5
27.	EN ISO 13791:2004 Thermal performance of buildings - Calculation of internal temperatures of a room in summer without mechanical cooling - General criteria	60.60		Published EN ISO 13791				TC89 WG6

No	Work item	Present Stage	prEN nr	End of enquiry	TC approval deadline	FV starting Stage 50.20	Comments	Responsible TC/WG
	and validation procedures (ISO 13791:2004)							
28.	prEN ISO 13792 Thermal performance of buildings - Internal temperatures in summer of a room without mechanical cooling - Simplified calculation method (ISO/FDIS 13792)	60.60		Published EN ISO 13792				TC89 WG6
29.	Data requirements for standard economic evaluation procedures, including for renewable energy sources.	40.60	15459	2006-06-26	2006-09-07	2007-04-15?		TC228 WG4
30.	Inspection of ventilation systems	40.60	15239	2005-09-28	approved	2006-12-01?		TC156 WG7
31.	How to specify criteria for the internal environment, (thermal, lighting, IAQ).	40.60	15251	2005-10-05	approved	2006-12-01?		TC156 WG7

Stage codes:	Original planning	TC 228 planning
30.99 = TC-draft sent to CMC		
40.20 = Enquiry		
40.60 = Closure of enquiry		
<i>Intermediate planning according to TC228:</i>		
<i>Draft submitted to TC Secr.</i>		2006-07-15
<i>Circulation for approval within CEN/TC 228</i>		2006-08-05
<i>Approval within CEN/TC 228 at TC-meeting</i>		2006-09-07
<i>Final editing in WG/by Project Team</i>		
<i>Final draft submitted to TC Secr.</i>		2006-09-30
<i>Final draft for Formal Vote to CEN/CMC</i>		2006-11-01
45.00 = FV-draft sent to CMC	2006-08-15	2006-11-01
50.20 = Formal Vote	2006-12-01	2007-02-15
50.60 = Closure of Formal Vote	2007-02-01	2007-04-15
60.60 = Definitive text available¹	2007-04-15	2007-07-01

Summary of progress 2006-09-01:

The mandate mentions 31 work items. Some of these have been merged together; some have been split into several parts. This results in a total of **40** CEN work items, not counting the Umbrella Document.

All of these 40 have passed the enquiry stage (stage 40.60 or higher). Two have already been published, one recently passed the FV, 7 have been approved to be prepared and forwarded for the FV procedure and 22 are distributed for TC approval. For the last 8 the TC approval version is expected after a few months (all prEN-ISO).

CEN/BT WG 173 EPBD meetings: 2005-06-20, 2006-01-30, 2006-06-19 (Delft) Next meeting: 2006-10-17 (Paris)

¹ The expected date of publication for the 7 standards from TC156 is 2007-04-15; 14 standards from TC228 are expected to be published by 2007-07-01, 2 standards from TC228 are expected to be published by 2007-09-01; 3 standards from TC89 are expected by 2007-07-01, 7 standards from ISO/TC163 and TC89 are expected by 2007-09-01 and 1 may even be later than that. The standard from TC247 and the standard from TC169 are expected by 2007-07-01. The merged standard from BT/WG173 (or BT/TF 173) and the Umbrella document are expected by 2007-09-01. (*unconfirmed*)